

Stem cells and interspecies chimaeras.

Journal: Nature

Publication Year: 2016

Authors: Jun Wu, Henry T Greely, Rudolf Jaenisch, Hiromitsu Nakauchi, Janet Rossant, Juan Carlos Izpisua Belmonte

PubMed link: 27905428

Funding Grants: Generation of functional cells and organs from iPSCs

Public Summary:

Chimaeras are both monsters of the ancient imagination and a long-established research tool. Recent advances, particularly those dealing with the identification and generation of various kinds of stem cells, have broadened the repertoire and utility of mammalian interspecies chimaeras and carved out new paths towards understanding fundamental biology as well as potential clinical applications.

Scientific Abstract:

Chimaeras are both monsters of the ancient imagination and a long-established research tool. Recent advances, particularly those dealing with the identification and generation of various kinds of stem cells, have broadened the repertoire and utility of mammalian interspecies chimaeras and carved out new paths towards understanding fundamental biology as well as potential clinical applications.

Source URL: <http://www.cirm.ca.gov/about-cirm/publications/stem-cells-and-interspecies-chimaeras>